BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARINAGAR ZONE
ELECTRICAL DIVISION
DETAILED ESTIMATE FOR PUBLIC WORKS

Name of the Work: Repair and replacing of Damaged lighting Fittings at JP park in ward No 17 .

Est. No.AEE/ELE/RRNZ/ EST/ / 17-18				Est.cost:Rs 1,00,000/-			
Sl No	SR ref		Description of Work	unit	Qty	Rate	Amount
	page	sl no					
1	6	2.5.2	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand copper with low conductor resistence single core wire in open or consealed system of wiring wit specified IS-694:1990 & confirming to GTP of group A.. A)1.5 sqmm	Per Mtr	125	18.60	2325.00
2	41	38	Supply and installaion / Fixing / Provision for mounting of HRC Fuse/ MCB with suitable connector/ terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 SQmm/25 Sqmm 3.5 C Al/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof having internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and / or grommets. 200x200x98mm (PWD Electrical SR 2010-11)	Each	8	925.00	7400.00
3	108	17.4.1	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 mtrs. M. S. tubular pole, with necessary two coats of painting, with all other accessories. Single bracket 1.5 Mtr. Length	Each	11	1292.00	14212.00
4	21	4.12	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.	Each			
	27	4.35.1	LED Streetlight 24watts	Each	11	6912.00	76032.00

			miscellaneous & round off	L/S			31.00	
			Total Rs				#########	
RS ONE LAKHS ONLY							1,00,000/-	

Certificate:-

1) Certified that,the work spot has been inspected by me & prepared the estimate in most economical way of executing the work.

2.) The Provisions made in the estimate are adequate and are necessary.

3.) The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.

4.) The rates in the Estimate is based on the PWD Electrial SR-2014-15 and Lowest quotation approved rates of CE RR Nagar.

Junior Engineer(Elèctrical)
RR Nagar Zone
BBMP

Assistant Executive Engineer(Elect)
RR Nagar Zone
BBMP

Executive Engineer(Elect)
RR Nagar Zone
BBMP

Administrative Sanctioned for Rs.1,00,000-00
Rs. Rupees one lakh only ..... is accorded
under the head.....P0298.....
By EE (Elect) RRN/..page 14 to 15.....
Registered as EE (Elect) RRN No. 39/17-18 Subject to conditions contained in enclosed memo No. 39/17-18 Date. 10/1/18
AE, (Elect) RRN
EE, (Elect) RRN

Technically Sanctioned for Rs. 100000-00
Rs. Rupees one lakh only ..... is accorded
under the head.....P0298.....
By EE (Elect) RRN/..page 18 to 19.....
Registered as R.R.N. No. 46/17-18 Subject to conditions contained in enclosed memo No. 46/17-18 Date. 16/1/18
AE, (Elect) RRN
EE, (Elect) RRN